[redacted]

746

PIONEER 11

15-MIN INTERPLANETARY DATA, SFDU

73-019A-02D

[redacted]

REQ. AGENT	ACQ. AGENT
CMW	JFC

PIONEER 11

15-MIN INTERPLANETARY DATA, SFDU

73-019A-02D

This data set consists of 2 magnetic tapes. The tapes were written on 9-track, 6250 bpi, in SFDU format, and can be read with the VAX COPY command in VMS directory format. The tapes are not labeled. The first two files on each tape contains the volume description and the file formats. These are followed by the data files. All data records are of the same length, 32256 ASCII characters or bytes per physical record. Each physical record contains 96 logical records of length 336 bytes. The D and C numbers and time span are as follows:

D#	C#	FILES HEADER/DATA	TIME SPAN
D-100501	C-031394	1-2/3-24	04/06/73 - 12/31/83
D-100502	C-031395	1-2/3-20	01/01/84 - 11/28/92

CMW031 DUPE OF D-100501/P11CP1

START TIME = 1973/096	BLOCK 1	RECORD 12
STOP TIME = 1973/181	BLOCK 86	RECORD 96
START TIME = 1973/182	BLOCK 1	RECORD 1
STOP TIME = 1973/365	BLOCK 184	RECORD 93
START TIME = 1974/001	BLOCK 1	RECORD 1
STOP TIME = 1974/181	BLOCK 181	RECORD 96
START TIME = 1974/182	BLOCK 1	RECORD 1
STOP TIME = 1974/365	BLOCK 184	RECORD 95
START TIME = 1975/001	BLOCK 1	RECORD 1
STOP TIME = 1975/181	BLOCK 181	RECORD 96
START TIME = 1975/182	BLOCK 1	RECORD 1
STOP TIME = 1975/365	BLOCK 184	RECORD 83
START TIME = 1976/001	BLOCK 1	RECORD 20
STOP TIME = 1976/182	BLOCK 182	RECORD 69
START TIME = 1976/183	BLOCK 1	RECORD 50
STOP TIME = 1976/366	BLOCK 184	RECORD 30
START TIME = 1977/001	BLOCK 1	RECORD 72
STOP TIME = 1977/181	BLOCK 181	RECORD 96
START TIME = 1977/182	BLOCK 1	RECORD 1
STOP TIME = 1977/365	BLOCK 184	RECORD 74
START TIME = 1978/001	BLOCK 1	RECORD 78
STOP TIME = 1978/181	BLOCK 181	RECORD 52
START TIME = 1978/182	BLOCK 1	RECORD 29
STOP TIME = 1978/365	BLOCK 184	RECORD 39
START TIME = 1979/001	BLOCK 1	RECORD 23
STOP TIME = 1979/181	BLOCK 181	RECORD 96
START TIME = 1979/182	BLOCK 1	RECORD 1
STOP TIME = 1979/365	BLOCK 184	RECORD 64
START TIME = 1980/001	BLOCK 1	RECORD 29
STOP TIME = 1980/182	BLOCK 182	RECORD 96
START TIME = 1980/183	BLOCK 1	RECORD 1
STOP TIME = 1980/366	BLOCK 184	RECORD 77
START TIME = 1981/001	BLOCK 1	RECORD 1
STOP TIME = 1981/181	BLOCK 181	RECORD 96
START TIME = 1981/182	BLOCK 1	RECORD 1
STOP TIME = 1981/365	BLOCK 184	RECORD 94
START TIME = 1982/001	BLOCK 1	RECORD 6
STOP TIME = 1982/181	BLOCK 181	RECORD 90
START TIME = 1982/182	BLOCK 1	RECORD 19
STOP TIME = 1982/365	BLOCK 184	RECORD 84
START TIME = 1983/001	BLOCK 1	RECORD 9
STOP TIME = 1983/181	BLOCK 181	RECORD 88
START TIME = 1983/183	BLOCK 2	RECORD 34
STOP TIME = 1983/365	BLOCK 184	RECORD 50

P11CP2 = DUPE OF D-10050Z
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START TIME = 1984/001	BLOCK 1	RECORD 74
STOP TIME = 1984/182	BLOCK 182	RECORD 69
START TIME = 1984/183	BLOCK 1	RECORD 66
STOP TIME = 1984/366	BLOCK 184	RECORD 95
START TIME = 1985/001	BLOCK 1	RECORD 13
STOP TIME = 1985/181	BLOCK 181	RECORD 48
START TIME = 1955/182	BLOCK 1	RECORD 26
STOP TIME = 1985/365	BLOCK 184	RECORD 59
START TIME = 1986/002	BLOCK 2	RECORD 43
STOP TIME = 1986/180	BLOCK 180	RECORD 56
START TIME = 1986/182	BLOCK 1	RECORD 3
STOP TIME = 1986/365	BLOCK 184	RECORD 77
START TIME = 1987/003	BLOCK 3	RECORD 51
STOP TIME = 1987/181	BLOCK 181	RECORD 95
START TIME = 1987/183	BLOCK 2	RECORD 92
STOP TIME = 1987/365	BLOCK 184	RECORD 95
START TIME = 1988/001	BLOCK 1	RECORD 1
STOP TIME = 1988/181	BLOCK 181	RECORD 92
START TIME = 1988/184	BLOCK 2	RECORD 21
STOP TIME = 1988/364	BLOCK 182	RECORD 77
START TIME = 1989/001	BLOCK 1	RECORD 66
STOP TIME = 1989/181	BLOCK 181	RECORD 94
START TIME = 1989/184	BLOCK 3	RECORD 23
STOP TIME = 1989/365	BLOCK 184	RECORD 95
START TIME = 1990/001	BLOCK 1	RECORD 1
STOP TIME = 1990/178	BLOCK 178	RECORD 39
START TIME = 1990/184	BLOCK 3	RECORD 35
STOP TIME = 1990/365	BLOCK 184	RECORD 31
START TIME = 1991/001	BLOCK 1	RECORD 62
STOP TIME = 1991/181	BLOCK 181	RECORD 53
START TIME = 1991/182	BLOCK 1	RECORD 2
STOP TIME = 1991/305	BLOCK 124	RECORD 19
START TIME = 1992/154	BLOCK 154	RECORD 20
STOP TIME = 1992/182	BLOCK 182	RECORD 86
START TIME = 1992/215	BLOCK 33	RECORD 17
STOP TIME = 1992/333	BLOCK 151	RECORD 58

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November, 28th

The University of Chicago
Laboratory for Astrophysics and Space Research

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Chicago IL 60637

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Date: April 1, 1993

Dr John Cooper
S. T. Systems Corp.
7601 Ora Glenn Drive
Greenbelt MD 20771

Dear John;

I am sending you today two (2) magnetic tapes containing the University of Chicago Pioneer-11 Charged Particle Instrument archive data from launch through 1992. This completes the initial submission of the Cruise-Mode Archive Data for this instrument as agreed by the Pioneer Principal Investigators. Additions to this dataset will be made approximately annually as new data becomes available.

The two tape volumes are identified as follows; for the first volume:

Vol_Ident: USA_NASA_NSSD_P11B_0001
Data_Set_Name: Pioneer 11 CPI Cruise Data Archive
Data_Source: Pioneer 11 Charged Particle Instrument
Vol_Time_Coverage: 1973-04-06 to 1983-12-31

and for the second volume:

Vol_Ident: USA_NASA_NSSD_P11B_0002
Data_Set_Name: Pioneer 11 CPI Cruise Data Archive
Data_Source: Pioneer 11 Charged Particle Instrument
Vol_Time_Coverage: 1984-01-01 to 1992-12-31

Sincerely

Gordon A. Lentz
Manager, Data Systems

Cc: J. Simpson
C. Lopate
C. Sethuramen

DSC # 146

MB-0194-02D

CCSD3ZF0001000000001CCSD3VS00002MRK**001

l_Ident: USA_NASA_NSSD_P11B_0001

Vol_Creation_Date: 1993-03-29

Medium_Description: 1/2 inch, 9 track, 6250 bpi magnetic tape, unlabeled

Technical_Contact:

Gordon A. Lentz
University of Chicago
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933 E. 56th Street
Chicago, IL 60637
Telephone: (312) 702-7836
E-Mail: (NSI/DECnet) LASR::LENTZ
: (Internet) lentz@odysseus.uchicago.edu

Prev_Vols: none

CCSD$$MARKERMRK**001CCSD3SS00002MRK**002

Data_Set_Name: Pioneer 11 CPI Cruise Data Archive

Data_Source: Pioneer 11 Charged Particle Instrument

Scientific_Contact:

Prof. John A. Simpson
University of Chicago
Enrico Fermi Institute
Laboratory for Astrophysics and Space Research
933 E. 56th Street
Chicago, IL 60637
Telephone: (312) 702-7670

Spacecraft_Characteristics: The Pioneer 10 and 11 spacecraft are near-twin spacecraft which were launched toward Jupiter about a year apart with different closest-approach radii at the respective encounters, and differing post-encounter trajectories. Pioneer 10 was launched on March 3, 1972, and encountered Jupiter in December, 1973. Since the encounter, it has been on an escape trajectory from the solar system, and at the end of 1991 it was at a distance of about 53 AU from the sun, a celestial latitude of +3 degrees, and celestial longitude (measured eastward from the vernal equinox) of 73 degrees. Pioneer 11 was launched April 5, 1973 and encountered Jupiter in December 1974. Its post-encounter trajectory was chosen so that it would encounter Saturn some 5 years later; this encounter took place successfully in August-September 1979. At the end of 1991 Pioneer 11 was at a radial distance of 35 AU, a celestial latitude of +17 degrees and a celestial longitude of -95 degrees. Both spacecraft were instrumented with a full suite of instruments for fields and particles, including magnetometer, plasma sensors, and four energetic particle and cosmic ray instruments. Other instruments included an ultraviolet photometer, infrared photometer, imaging photopolarimeter, and micrometeoroid detector. The spacecraft are spin stabilized, with the spin axis oriented toward the earth.

(More from the data set)